Refine Search

Search Results -

Terms	Documents
L5 and in near vivo	10

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L6

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Wednesday, July 20, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L6	L5 and in near vivo	10	L6
L5	L2 and (endothelial near growth or erythropoietin or oxygenase or nitric near oxide or glucose near transporter or hexokinase or aldolase or tranferrin)	45	L5
L4	L2 and (deferoxamine or cobalt near chloride)	13	L4
L3	L2 and (reporter$ or marker$) near10 hypoxi$ near10 promoter$	8	L3
L2	hypoxi$ near10 (measur$ or assay$ or identif$ or method$ or screen$) near10 transcript$	48	L2
L1	hypoxi$ near10 (measur$ or assay$ or idnetif$ or method$ or screen$) near10 transcript$	34	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L5 and in near vivo near10 express$ near10 hypoxi$	0

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L9

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Wednesday, July 20, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB; PLUR=YES; OP=OR			
L9	L5 and in near vivo near10 express$ near10 hypoxi$	0	L9
L8	L5 and in near vivo near10 express$	373	L8
L7	L5 and in near vivo near10 transcript$	0	L7
L6	L5 and in near vivo	629	L6
L5	L2 and (endothelial near growth or nitric near oxide or aldolase or hexokinase or glucose near transporter$ or erythropoietin or oxygenase or transferrin)	629	L5
L4	L2 and (deferoxamine or cobalt near chloride)	10	L4
L3	l1 and in near vivo near10 transcript$	1	L3
L2	l1 and in near vivo	881	L2
L1	hypoxi$ and transcription$ and reporter$ and candidate$	1394	L1

END OF SEARCH HISTORY

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>>>         135 is unauthorized
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S HYPOXI? AND IN (N) VIVO AND (SCREEN? OR ASSAY?)
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Processed  10 of  36 files ...
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Processing
Processed  20 of  36 files ...
Processing
Processed  30 of  36 files ...
Completed processing all files
          447519  HYPOXI?
       107878307  IN
         2971719  VIVO
         2875580  IN(N)VIVO
         2145937  SCREEN?
         3645398  ASSAY?
      S1    3957  HYPOXI? AND IN (N) VIVO AND (SCREEN? OR ASSAY?)
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S IN (N) VIVO (5N) (METHOD? OR ASSAY? OR SCREEN? OR IDENTIF?) (5N) HYPOXI?
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Processing
Processing
Processed  20 of  36 files ...
Completed processing all files
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         2971719  VIVO
        25846206  METHOD?
         3645398  ASSAY?
         2145937  SCREEN?
         8016626  IDENTIF?
          447519  HYPOXI?
      S2     528  IN (N) VIVO (5N) (METHOD? OR ASSAY? OR SCREEN? OR
                  IDENTIF?) (5N) HYPOXI?
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Processing
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
Completed processing all files
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            528  S2
       37481804  PY>1999
     S3     328  S2 NOT PY>1999
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S S3 AND TRANSCRIPT?
            328  S3
        3055931  TRANSCRIPT?
     S4      17  S3 AND TRANSCRIPT?
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RD S4
>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
...completed examining records
     S5       5  RD S4 (unique items)
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Display 5/3/1 (Item 1 from file: 5)

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DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0011348725   BIOSIS NO.: 199800142972
```

Hypoxia induces type II NOS gene expression in pulmonary artery endothelial cells via HIF-1

```
AUTHOR: Palmer Lisa A (Reprint); Semenza Gregg L; Stoler Mark H; Johns
  Roger A
AUTHOR ADDRESS: Dep. Anesthesiol., Univ. Virginia Health Sci. Cent., PO Box
  10010, Charlottesville, VA 22906-0010, USA**USA
JOURNAL: American Journal of Physiology  274 (2 PART 1): pL212-L219 Feb.,
1998 1998
MEDIUM: print
ISSN: 0002-9513
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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Display 5/3/2 (Item 2 from file: 5)

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DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0010076921   BIOSIS NO.: 199598544754
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Acute hypoxia induces elevation of ornithine decarboxylase activity in neonatal rat brain slices

```
AUTHOR: Longo Lawrence D (Reprint); Packianathan Satyaseelan
AUTHOR ADDRESS: Cent. Perinatal Biol., Dep. Pysiol., Loma Linda Univ. Sch.
  Med., Loma Linda Univ., Loma Linda, CA 92350-0001, USA**USA
JOURNAL: Reproduction Fertility and Development  7 (3): p385-389 1995 1995
ISSN: 1031-3613
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

                                - end of record -
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Display 5/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0007616388 BIOSIS NO.: 199141129014
DETECTION OF CELLULAR HYPOXIA BY ACTIVATION OF THE HEAT SHOCK TRANSCRIPTION FACTOR HSF A METHOD FOR HYPOXIC CELL MARKING IN-VIVO
AUTHOR: GIACCIA A J (Reprint); AUGER E A; HAHN G M; BROWN J M
AUTHOR ADDRESS: DEP RADIATION ONCOL, CANCER BIOL RESEARCH LAB, STANFORD UNIV SCH MED, STANFORD, CALIF 94305, USA**USA
JOURNAL: International Journal of Radiation Oncology, Biology, Physics 21 (SUPPL. 1): p186-187 1991
CONFERENCE/MEETING: 33RD ANNUAL MEETING OF THE AMERICAN SOCIETY FOR THERAPEUTIC RADIOLOGY AND ONCOLOGY, WASHINGTON, D.C., USA, NOVEMBER 4-8, 1991. INT J RADIAT ONCOL BIOL PHYS.
ISSN: 0360-3016
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

- end of record -
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Display 5/3/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03534288 Genuine Article#: PL094 No. References: 25
Title: HYPOXIC STIMULATION OF VASCULAR ENDOTHELIAL GROWTH-FACTOR EXPRESSION IN-VITRO AND IN-VIVO
Author(s): MINCHENKO A; BAUER T; SALCEDA S; CARO J
Corporate Source: THOMAS JEFFERSON UNIV,JEFFERSON MED COLL,CARDEZA FDN HEMATOL RES,DEPT MED,1015 WALNUT ST/PHILADELPHIA//PA/19107; THOMAS JEFFERSON UNIV,JEFFERSON MED COLL,CARDEZA FDN HEMATOL RES,DEPT MED/PHILADELPHIA//PA/19107
Journal: LABORATORY INVESTIGATION, 1994, V71, N3 (SEP), P374-379
ISSN: 0023-6837
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

- end of record -
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Display 5/3/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03074190 Genuine Article#: NB938 No. References: 23
Title: DELAYED EXPRESSION OF C-FOS PROTEIN IN RAT HIPPOCAMPUS AND CEREBRAL-CORTEX FOLLOWING TRANSIENT IN-VIVO EXPOSURE TO HYPOXIA
Author(s): TANIGUCHI T; FUKUNAGA R; MATSUOKA Y; TERAI K; TOOYAMA I; KIMURA H
Corporate Source: KYOTO PHARMACEUT UNIV,DEPT NEUROBIOL/KYOTO 607//JAPAN/; SHIGA UNIV MED SCI,INST MOLEC NEUROBIOL/OTSU/SHIGA 52021/JAPAN/
Journal: BRAIN RESEARCH, 1994, V640, N1-2 (MAR 21), P119-125
ISSN: 0006-8993
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

- end of record -
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Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0011348725 BIOSIS NO.: 199800142972
Hypoxia induces type II NOS gene expression in pulmonary artery endothelial cells via HIF-1
AUTHOR: Palmer Lisa A (Reprint); Semenza Gregg L; Stoler Mark H; Johns Roger A
AUTHOR ADDRESS: Dep. Anesthesiol., Univ. Virginia Health Sci. Cent., PO Box 10010, Charlottesville, VA 22906-0010, USA**USA
JOURNAL: American Journal of Physiology 274 (2 PART 1): pL212-L219 Feb., 1998 1998
MEDIUM: print
ISSN: 0002-9513
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

ABSTRACT: Type II nitric oxide synthase (NOS) is upregulated in the pulmonary vasculature in a chronic hypoxia model of pulmonary hypertension. In situ hybridization analysis demonstrates that type II NOS RNA is increased in the endothelium as well as in the vascular smooth muscle in the lung. The current studies examine the role of hypoxia-inducible factor (HIF)-1 in regulating type II NOS gene expression in response to hypoxia in pulmonary artery endothelial cells. Northern blot analyses demonstrate a twofold increase in HIF-1alpha but not in HIF-1beta RNA with hypoxia in vivo and in vitro. Electrophoretic mobility shift assays show the induction of specific DNA binding activity when endothelial cells were subjected to hypoxia. This DNA binding complex was identified as HIF-1 using antibodies directed against HIF-1alpha and HIF-1beta. Transient transfection of endothelial cells resulted in a 2.7-fold increase in type II NOS promoter activity in response to hypoxia compared with nonhypoxic controls. Mutation or deletion of the HIF-1 site eliminated the response to hypoxia. These

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Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

results demonstrate that HIF-1 is essential for the hypoxic regulation of type II NOS gene transcription in pulmonary endothelium.

REGISTRY NUMBERS: 10102-43-9: nitric oxide; 125978-95-2: nitric oxide synthase
DESCRIPTORS:
MAJOR CONCEPTS: Respiratory System--Respiration
BIOSYSTEMATIC NAMES: Bovidae--Artiodactyla, Mammalia, Vertebrata, Chordata, Animalia
ORGANISMS: bovine (Bovidae)
ORGANISMS: PARTS ETC: pulmonary artery epithelial cell--circulatory system, respiratory system

COMMON TAXONOMIC TERMS: Animals; Artiodactyls; Chordates; Mammals; Nonhuman Vertebrates; Nonhuman Mammals; Vertebrates
DISEASES: pulmonary hypertension--vascular disease
MESH TERMS: Hypertension, Pulmonary (MeSH)

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Display 5/9/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

CHEMICALS & BIOCHEMICALS: hypoxia-inducible factor-1; nitric oxide; nitric oxide synthase
MISCELLANEOUS TERMS: gene regulation
CONCEPT CODES:
16004 Respiratory system - Physiology and biochemistry
03506 Genetics - Animal
10808 Enzymes - Physiological studies
13012 Metabolism - Proteins, peptides and amino acids
14504 Cardiovascular system - Physiology and biochemistry
14508 Cardiovascular system - Blood vessel pathology
16006 Respiratory system - Pathology
17020 Endocrine - Neuroendocrinology
20504 Nervous system - Physiology and biochemistry
BIOSYSTEMATIC CODES:
85715 Bovidae

- end of record -

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Display 5/9/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0010076921 BIOSIS NO.: 199598544754
Acute hypoxia induces elevation of ornithine decarboxylase activity in neonatal rat brain slices
AUTHOR: Longo Lawrence D (Reprint); Packianathan Satyaseelan
AUTHOR ADDRESS: Cent. Perinatal Biol., Dep. Pysiol., Loma Linda Univ. Sch. Med., Loma Linda Univ., Loma Linda, CA 92350-0001, USA**USA
JOURNAL: Reproduction Fertility and Development 7 (3): p385-389 1995 1995
ISSN: 1031-3613
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Recent studies in vivo have demonstrated that ornithine decarboxylase (ODC) activity in the fetal rat brain is elevated 4-5-fold by acute maternal hypoxia. This hypoxic-associated increase is seen in

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Display 5/9/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

the rat brain in both the newborn and the adult. Because of the intimate involvement of ODC in transcription and translation, as well as in growth and development, it is imperative that the manner in which hypoxia affects the regulation of this enzyme be better understood. In order to

achieve this, a brain preparation in vitro was required to eliminate the confounding effects of the dam on the fetal and newborn brain ODC activity in vivo. Therefore, brain slices from 3-4-day-old (P-3) newborn rats were utilized to test the hypothesis that ODC activity increases in response to hypoxia in vitro. Cerebral slices from the P-3 rat pups were allowed to equilibrate and recover in artificial cerebrospinal fluid (ACSF) continuously bubbled with a mixture of 95% O-2 and 5% CO-2 for 1 h before beginning hypoxic exposures. Higher basal ODC activities were obtained by treating the slices with 0.03% fetal bovine serum (FBS) and 0.003% bovine serum albumin (BSA), rather than with ACSF alone. Hypoxia was induced in the slices by replacing the gas with 40%, 21%, 10%, or 5% O-2, all with 5% CO-2 and balance N-2. With FBS and BSA treatment, ODC

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Display 5/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

activity was maintained at about 0.15-0.11 nM CO-2 mg-1 protein h-1 throughout the experiment, which was 2-3-fold higher than that without FBS and BSA. ODC activity increased significantly and peaked between 1 h and 2 h after initiation of hypoxia. For instance, with 21% O-2, ODC activity increased apprx 1.5-fold at 1 h and apprx 2-fold at 2 h. These studies demonstrate that: (1) the hypoxic-induced increases observed in vivo in the fetal and newborn rat brain ODC activity can be approximated in a newborn rat brain slice preparation in vitro; (2) newborn rat brain slice preparations may provide an alternative to methods in vivo or cell culture methods for studying the regulation of acute hypoxic-induced enzymes; and (3) high, stable baseline ODC activities in brain slices suggest that the cells in the slice are capable of active metabolism if FBS and BSA are available to mimic conditions in vivo.

REGISTRY NUMBERS: 9024-60-6: ORNITHINE DECARBOXYLASE; 9024-60-6: EC 4.1.1.17

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Display 5/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

DESCRIPTORS:

MAJOR CONCEPTS: Development; Enzymology--Biochemistry and Molecular Biophysics; Metabolism; Nervous System--Neural Coordination

BIOSYSTEMATIC NAMES: Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: Muridae (Muridae)

COMMON TAXONOMIC TERMS: Animals; Chordates; Mammals; Nonhuman Vertebrates ; Nonhuman Mammals; Rodents; Vertebrates

CHEMICALS & BIOCHEMICALS: ORNITHINE DECARBOXYLASE; EC 4.1.1.17

MISCELLANEOUS TERMS: EC 4.1.1.17

CONCEPT CODES:

10012 Biochemistry - Gases

10064 Biochemistry studies - Proteins, peptides and amino acids

10806 Enzymes - Chemical and physical

10808 Enzymes - Physiological studies

13003 Metabolism - Energy and respiratory metabolism

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Display 5/9/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13012 Metabolism - Proteins, peptides and amino acids
20506 Nervous system - Pathology
25503 Development and Embryology - Pathology
BIOSYSTEMATIC CODES:
86375 Muridae

- end of record -
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Display 5/9/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0007616388 BIOSIS NO.: 199141129014
DETECTION OF CELLULAR HYPOXIA BY ACTIVATION OF THE HEAT SHOCK TRANSCRIPTION FACTOR HSF A METHOD FOR HYPOXIC CELL MARKING IN-VIVO
AUTHOR: GIACCIA A J (Reprint); AUGER E A; HAHN G M; BROWN J M
AUTHOR ADDRESS: DEP RADIATION ONCOL, CANCER BIOL RESEARCH LAB, STANFORD UNIV SCH MED, STANFORD, CALIF 94305, USA**USA
JOURNAL: International Journal of Radiation Oncology, Biology, Physics 21 (SUPPL. 1): p186-187 1991
CONFERENCE/MEETING: 33RD ANNUAL MEETING OF THE AMERICAN SOCIETY FOR THERAPEUTIC RADIOLOGY AND ONCOLOGY, WASHINGTON, D.C., USA, NOVEMBER 4-8, 1991. INT J RADIAT ONCOL BIOL PHYS.
ISSN: 0360-3016
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

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Display 5/9/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

DESCRIPTORS: ABSTRACT HUMAN RADIOTHERAPY
DESCRIPTORS:
MAJOR CONCEPTS: Cell Biology; Metabolism; Oncology--Human Medicine, Medical Sciences; Radiology--Medical Sciences
BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia
COMMON TAXONOMIC TERMS: Animals; Chordates; Humans; Mammals; Primates; Vertebrates
CONCEPT CODES:
00520 General biology - Symposia, transactions and proceedings
02508 Cytology - Human
06504 Radiation biology - Radiation and isotope techniques
10012 Biochemistry - Gases
10064 Biochemistry studies - Proteins, peptides and amino acids
12512 Pathology - Therapy
13003 Metabolism - Energy and respiratory metabolism

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Display 5/9/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

24006 Neoplasms - Biochemistry
BIOSYSTEMATIC CODES:
86215 Hominidae

- end of record -

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Display 5/9/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03534288 Genuine Article#: PL094 Number of References: 25
Title: HYPOXIC STIMULATION OF VASCULAR ENDOTHELIAL GROWTH-FACTOR EXPRESSION IN-VITRO AND IN-VIVO
Author(s): MINCHENKO A; BAUER T; SALCEDA S; CARO J
Corporate Source: THOMAS JEFFERSON UNIV,JEFFERSON MED COLL,CARDEZA FDN HEMATOL RES,DEPT MED,1015 WALNUT ST/PHILADELPHIA//PA/19107; THOMAS JEFFERSON UNIV,JEFFERSON MED COLL,CARDEZA FDN HEMATOL RES,DEPT MED/PHILADELPHIA//PA/19107
Journal: LABORATORY INVESTIGATION, 1994, V71, N3 (SEP), P374-379
ISSN: 0023-6837
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences
Journal Subject Category: PATHOLOGY; MEDICINE, RESEARCH & EXPERIMENTAL
Abstract: BACKGROUND: Vascular endothelial growth factor (VEGF) is a

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Display 5/9/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

specific endothelial cell mitogen with potent angiogenic properties. In tumors, VEGF has been localized to the most necrotic and ischemic areas of the tissues, suggesting that local hypoxia is a potent inducer of VEGF production. Initial experiments in vitro confirmed the stimulatory effect of hypoxia on VEGF expression. The extent of this response and the mechanisms involved in oxygen sensing are poorly characterized.

EXPERIMENTAL DESIGN: Confluent monolayers of malignant cell lines or primary cultures of fibroblast or endothelial cells were exposed to hypoxia or incubated with either cobalt chloride, a stimulator of erythropoietin gene expression, or sodium azide, an inhibitor of oxydative phosphorylation. VEGF expression was analyzed by Northern blot or RNase protection assays. The expression VEGF in vivo was studied in animals subjected to hypobaric hypoxia or functional anemia.

RESULTS: Hypoxia greatly stimulated VEGF expression in tumor cell

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Display 5/9/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

lines and primary fibroblast cultures. Endothelial cells, that

expressed very low constitutive levels of VEGF, were resistant to hypoxic stimulation. RNase protection analysis showed that hypoxia primarily stimulated the induction of smaller and medium VEGF isoforms, i.e., the same ones expressed under normal conditions. The stimulatory effect of hypoxia on VEGF could be reproduced in vitro by cobalt chloride but not with sodium azide. In vivo, both hypoxia and anemia were found to be potent inducers of VEGF expression in several organs including heart, brain, liver, kidney, and muscle. As in vitro, cobalt was also found to be a potent stimulator of VEGF in vivo.

CONCLUSIONS: Hypoxia is a potent inducer of VEGF expression in malignant as well as normal cultured cells. It is also a stimulator of VEGF expression in vivo. The VEGF gene appears to respond to hypoxia like the erythropoietin gene, and the mechanism of oxygen sensing probably is mediated by a heme-containing protein.

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Display 5/9/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03074190 Genuine Article#: NB938 Number of References: 23
Title: DELAYED EXPRESSION OF C-FOS PROTEIN IN RAT HIPPOCAMPUS AND CEREBRAL-CORTEX FOLLOWING TRANSIENT IN-VIVO EXPOSURE TO HYPOXIA
Author(s): TANIGUCHI T; FUKUNAGA R; MATSUOKA Y; TERAI K; TOOYAMA I; KIMURA H
Corporate Source: KYOTO PHARMACEUT UNIV,DEPT NEUROBIOL/KYOTO 607//JAPAN/; SHIGA UNIV MED SCI,INST MOLEC NEUROBIOL/OTSU/SHIGA 52021/JAPAN/
Journal: BRAIN RESEARCH, 1994, V640, N1-2 (MAR 21), P119-125
ISSN: 0006-8993
Language: ENGLISH Document Type: ARTICLE
Geographic Location: JAPAN
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences
Journal Subject Category: NEUROSCIENCES
Abstract: The time course of c-fos protein expression after hypoxia was examined in rat hippocampus and cerebral cortex using an

-more-

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Display 5/9/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

immunohistochemical method. The rats were exposed to in vivo hypoxia for 30 min in a chamber containing 5% O2 and 95% N2. Immediately after the treatment, c-fos protein-like immunoreactivity was observed in the granule cell layer of the dentate gyrus. The change was transient, and the density of immunoreactive cells returned quickly to a control level 3 h after the exposure. However, the density of positive cells was again increased 1 day after hypoxia and reached the maximum 7 days after. In the cerebral cortex, on the other hand, no change was detected in the pattern of staining at any time, with an exception on 21 days after hypoxia. At this period, positively stained neurons were significantly increased in both density and intensity throughout the entire extent of the cerebral cortex including the cingulate gyrus. These results clearly indicate that hypoxia induces different patterns of c-fos protein expression among various regions of the brain. The biphasic pattern seen in the dentate gyrus as well as the delayed

expression in the cerebral cortex may be related to delayed neuronal

-more-

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Display 5/9/5 (Item 2 from file: 34)

damages induced by hypoxia.

Descriptors--Author Keywords: C-FOS ; HYPOXIA ; HIPPOCAMPUS ; CORTEX ; RAT

Identifiers--KeyWords Plus: IMMEDIATE-EARLY GENES; FOREBRAIN ISCHEMIA; INSITU HYBRIDIZATION; GERBIL HIPPOCAMPUS; NERVOUS-SYSTEM; SPINAL-CORD; STIMULATION; NEURONS; INDUCTION; BRAIN

Research Fronts: 92-3409 006 (C-FOS INDUCTION; EXPRESSION OF GENES ENCODING TRANSCRIPTION FACTORS; RAT SUPRACHIASMATIC NUCLEUS CELLS; CORTICAL STIMULATION; STRIATAL NEURONS)

92-2154 002 (GERBIL HIPPOCAMPUS FOLLOWING TRANSIENT FOREBRAIN ISCHEMIA; BRAIN TEMPERATURE; RAT MODEL; NEURONAL DEATH; NMDA RECEPTOR ANTAGONISTS; MILD HYPOTHERMIA)

Cited References:

ABDELLATIF AA, 1986, V38, P227, PHARMACOL REV
BULLITT E, 1989, V493, P391, BRAIN RES
DRAGUNOW M, 1987, V329, P441, NATURE
FISHER SK, 1987, V48, P999, J NEUROCHEM

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immunohistochemical method. The rats were exposed to in vivo hypoxia for 30 min in a chamber containing 5% O2 and 95% N2. Immediately after the treatment, c-fos protein-like immunoreactivity was observed in the granule cell layer of the dentate gyrus. The change was transient, and the density of immunoreactive cells returned quickly to a control level 3 h after the exposure. However, the density of positive cells was again increased 1 day after hypoxia and reached the maximum 7 days after. In the cerebral cortex, on the other hand, no change was detected in the pattern of staining at any time, with an exception on 21 days after hypoxia. At this period, positively stained neurons were significantly increased in both density and intensity throughout the entire extent of the cerebral cortex including the cingulate gyrus. These results clearly indicate that hypoxia induces different patterns of c-fos protein expression among various regions of the brain. The biphasic pattern seen in the dentate gyrus as well as the delayed expression in the cerebral cortex may be related to delayed neuronal

-more-

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Display 5/9/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

damages induced by hypoxia.
Descriptors--Author Keywords: C-FOS ; HYPOXIA ; HIPPOCAMPUS ; CORTEX ; RAT
Identifiers--KeyWords Plus: IMMEDIATE-EARLY GENES; FOREBRAIN ISCHEMIA; INSITU HYBRIDIZATION; GERBIL HIPPOCAMPUS; NERVOUS-SYSTEM; SPINAL-CORD; STIMULATION; NEURONS; INDUCTION; BRAIN
Research Fronts: 92-3409 006 (C-FOS INDUCTION; EXPRESSION OF GENES ENCODING TRANSCRIPTION FACTORS; RAT SUPRACHIASMATIC NUCLEUS CELLS; CORTICAL STIMULATION; STRIATAL NEURONS)
92-2154 002 (GERBIL HIPPOCAMPUS FOLLOWING TRANSIENT FOREBRAIN ISCHEMIA; BRAIN TEMPERATURE; RAT MODEL; NEURONAL DEATH; NMDA RECEPTOR ANTAGONISTS; MILD HYPOTHERMIA)
Cited References:
ABDELLATIF AA, 1986, V38, P227, PHARMACOL REV
BULLITT E, 1989, V493, P391, BRAIN RES
DRAGUNOW M, 1987, V329, P441, NATURE
FISHER SK, 1987, V48, P999, J NEUROCHEM

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S S2 AND (REPORTER? OR MARKER?) AND (DEFEROXAMINE OR COBALT (N) CHLORIDE)
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          332971  REPORTER?
         2137042  MARKER?
           31500  DEFEROXAMINE
          642332  COBALT
         2710173  CHLORIDE
           13377  COBALT(N)CHLORIDE
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                  (N) CHLORIDE)
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Display 6/3/1 (Item 1 from file: 154)
DIALOG(R)File 154:MEDLINE(R)

17666544 PMID: 15635607
Novel function of neuronal PAS domain protein 1 in erythropoietin expression in neuronal cells.
Ohsawa Shizue; Hamada Shun; Kakinuma Yoshihiko; Yagi Takeshi; Miura Masayuki
Department of Genetics, Graduate School of Pharmaceutical Sciences, University of Tokyo, Tokyo, Japan.
Journal of neuroscience research (United States) Feb 15 2005, 79 (4) p451-8, ISSN 0360-4012 Journal Code: 7600111
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

- end of record -

?

Display 6/3/2 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

17666544 PMID: 15635607
Novel function of neuronal PAS domain protein 1 in erythropoietin expression in neuronal cells.
Ohsawa Shizue; Hamada Shun; Kakinuma Yoshihiko; Yagi Takeshi; Miura Masayuki
Department of Genetics, Graduate School of Pharmaceutical Sciences, University of Tokyo, Tokyo, Japan.
Journal of neuroscience research (United States) Feb 15 2005, 79 (4) p451-8, ISSN 0360-4012 Journal Code: 7600111
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

- end of record -

?

Display 6/3/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

12509068 EMBASE No: 2004093642
Transdifferentiation of cultured tubular cells induced by hypoxia
Manotham K.; Tanaka T.; Matsumoto M.; Ohse T.; Inagi R.; Miyata T.; Kurokawa K.; Fujita T.; Ingelfinger J.R.; Nangaku M.
M. Nangaku, University of Tokyo, School of Medicine, Div. of Nephrology and Endocrinology, 7-3-1 Hongo, Bunkyo-Ku, Tokyo Japan
AUTHOR EMAIL: mnangaku-tky@umin.ac.jp
Kidney International (KIDNEY INT.) (United States) 2004, 65/3 (871-880)
CODEN: KDYIA ISSN: 0085-2538
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 59

- end of record -

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S S2 AND (ERYTHROPOIETIN OR NITRIC (N) OXIDE OR GLUCOSE (N) TRANSPORTER OR ALDOLASE
Processing
Processed  10 of  36 files ...
Processing
Completed processing all files
          528  S2
       132897  ERYTHROPOIETIN
       856599  NITRIC
      3813664  OXIDE
       739733  NITRIC(N)OXIDE
      1917240  GLUCOSE
       306256  TRANSPORTER
        48113  GLUCOSE(N)TRANSPORTER
        39489  ALDOLASE
       156773  TRANSFERRIN
       984343  ENDOTHELIAL
      8540920  GROWTH
       128048  ENDOTHELIAL(N)GROWTH
   S7      62  S2 AND (ERYTHROPOIETIN OR NITRIC (N) OXIDE OR GLUCOSE (N)
               TRANSPORTER OR ALDOLASE OR TRANSFERRIN OR ENDOTHELIAL (N)
               GROWTH)
?

RD S7
>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
...examined 50 records  (50)
...completed examining records
   S8      19  RD S7 (unique items)
?

S S8 NOT PY>1999
Processing
Processed  10 of  36 files ...
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
Completed processing all files
           19  S8
     37481804  PY>1999
   S9       6  S8 NOT PY>1999
?
```

Display 9/3/1 (Item 1 from file: 5)

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DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0011348725   BIOSIS NO.: 199800142972
```

Hypoxia induces type II NOS gene expression in pulmonary artery endothelial cells via HIF-1

```
AUTHOR: Palmer Lisa A (Reprint); Semenza Gregg L; Stoler Mark H; Johns
  Roger A
AUTHOR ADDRESS: Dep. Anesthesiol., Univ. Virginia Health Sci. Cent., PO Box
  10010, Charlottesville, VA 22906-0010, USA**USA
JOURNAL: American Journal of Physiology  274 (2 PART 1): pL212-L219 Feb.,
1998 1998
MEDIUM: print
ISSN: 0002-9513
DOCUMENT TYPE: Article
```

RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

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Display 9/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0009520259 BIOSIS NO.: 199497541544
Hypoxic stimulation of vascular endothelial growth factor expression in vitro and in vivo
AUTHOR: Minchenko Alexander; Bauer Thomas; Salceda Susan; Caro Jaime (Reprint)
AUTHOR ADDRESS: Cardeza Found., 1015 Walnut St., Philadelphia, PA 19107, USA**USA
JOURNAL: Laboratory Investigation 71 (3): p374-379 1994 1994
ISSN: 0023-6837
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?

Display 9/3/3 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05078337 Genuine Article#: TP124 No. References: 34
Title: A METHOD FOR THE ASSESSMENT OF HYPOXIA IN THE ARTERIAL-WALL, WITH POTENTIAL APPLICATION IN-VIVO
Author(s): BJORNHEDEN T; EVALDSSON M; WIKLUND O
Corporate Source: GOTHENBURG UNIV,SAHLGRENS HOSP,WALLENBERG LAB CARDIOVASC RES/S-41345 GOTHENBURG//SWEDEN/; GOTHENBURG UNIV,WALLENBERG LAB CARDIOVASC RES/S-41345 GOTHENBURG//SWEDEN/
Journal: ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, 1996, V16, N1 (JAN), P178-185
ISSN: 1079-5642
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

- end of record -

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Display 9/3/4 (Item 1 from file: 266)
DIALOG(R)File 266:FEDRIP

00576501
IDENTIFYING NO.: 5R01CA074071-06 AGENCY CODE: CRISP
Predicting Radiation Response by Tumor pO2
PRINCIPAL INVESTIGATOR: KOCH, CAMERON J, PH.D.
ADDRESS: KOCH@MAIL.MED.UPENN.EDU UNIV OF PENNSYLVANIA 3620 HAMILTON WALK PHILADELPHIA, PA 19104
PERFORMING ORG.: UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PENNSYLVANIA
SPONSORING ORG.: NATIONAL CANCER INSTITUTE
DATES: 2002/05/98 TO 2003/31/07 FY : 2004

- end of record -

?

Display 9/3/5 (Item 2 from file: 266)
DIALOG(R)File 266:FEDRIP

00491508
IDENTIFYING NO.: 141254; 0014; 665 AGENCY CODE: VA
Neuroprotection with the Caspase 9 Inhibitor LEHD-CHO against the Effects of Traumatic Brain Injury (CCI)
PRINCIPAL INVESTIGATOR: Wallis, Roi Ann, M.D.
PERFORMING ORG.: Department of Veterans Affairs, Medical Center Sepulveda, CA
SPONSORING ORG.: Department of Veterans Affairs, Research and Development (15), 810 Vermont Ave. N.W., Washington, D.C. 20420 United States of America
DATES: 20010709

- end of record -

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Display 9/3/6 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0033613 DBR Accession No.: 85-04402
Isolation and characterization of genomic and cDNA clones of human erythropoietin - active protein production in monkey COS-1 cells
AUTHOR: Jacobs K; Shoemaker C; Rudersdorf R; Neill S D; Kaufman R J; Mufson A
CORPORATE AFFILIATE: Genetics-Inst.
CORPORATE SOURCE: Genetics Institute, Inc., 225 Longwood Avenue, Boston Massachusetts 02115, USA.
JOURNAL: Nature (313, 6005, 806-10) 1985
CODEN: NATUAS
LANGUAGE: English

- end of record -

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